

R E M A R K S

Reconsideration of this application, as amended, is respectfully requested.

ALLOWABLE SUBJECT MATTER

The Examiner's indication of the allowability of the subject matter of claims 9 and 12 is respectfully acknowledged.

Claim 8 has been amended to recite the allowable features of claim 9, and to correct the informalities pointed out by the Examiner, and claim 12 has been amended to recite the allowable features thereof in independent form.

In addition, claims 10 and 11 have been amended to better accord with amended claim 8, and claims 15 and 16 have been added to recite the subject matter of claims 10 and 11 depending from amended claim 12.

No new matter has been added, and no new issues with respect to patentability have been raised.

Accordingly, it is respectfully submitted that amended independent claims 8 and 12 as well as claims 9; 10, 15 and 16 respectively depending therefrom are now all in condition for immediate allowance.

RE: THE OBJECTION TO CLAIM 8

On page 2 of the Office Action, the Examiner objects to claim 8 because the terms "NTSC" and "PAL" are not defined in the specification.

It is respectfully submitted, however, that NTSC and PAL are standard terms in the art for designating well known video signal standards. As shown in the attached documents, NTSC stands for National Television System Committee, and PAL stands for Phase Alternation by Line.

It is respectfully submitted that no definition in the specification is required to explain these terms, since any person of ordinary skill in the art would be fully aware of the meanings of NTSC and PAL.

Accordingly, it is respectfully requested that the Examiner's objection to claim 8 be withdrawn.

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In view of the foregoing, entry of this Amendment, allowance of the claims and the passing of this application to issue are respectfully solicited.

Application No. 10/086,152
Response to Office Action

Customer No. 01933

If the Examiner has any comments, questions, objections or recommendations, the Examiner is invited to telephone the undersigned at the telephone number given below for prompt action.

Respectfully submitted,



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Video Standards

NTSC

NTSC stands for National Television System Committee, which devised the NTSC television broadcast system in 1953. NTSC is also commonly used to refer to one type of television signal that can be recorded on various tape formats such as VHS, 3/4" U-matic and Betacam.

The NTSC standard has a fixed vertical resolution of 525 horizontal lines stacked on top of each other, with varying amounts of "lines" making up the horizontal resolution, depending on the electronics and formats involved. There are 59.94 fields displayed per second. A field is a set of even lines, or odd lines. The odd and even fields are displayed sequentially, thus interlacing the full frame. One full frame, therefore, is made of two interlaced fields, and is displayed about every 1/30 of a second.

NTSC countries are: USA, Antigua, Bahamas, Barbados, Belize, Bermuda, Bolivia, Burma, Canada, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Greenland, Guam, Guatemala, Guyana, Honduras, Jamaica, Japan, South Korea, Mexico, Netherlands Antilles, Nicaragua, Panama, Peru, Philippines, Puerto Rico, St. Vincent & the Grenadines, St. Kitts, Saipan, Samoa, Surinam, Taiwan, Tobago, Trinidad, Venezuela, Virgin Islands.

The following countries were listed as Monochrome 625/50 in one resource: Angola, Burkina Faso, Burundi, Central African Republic, Equatorial Guinea, Ethiopia (or PAL or SECAM in other resources).

The above was gathered from various older sources, so discrepancies in spelling or political changes are unintentional.



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Video Standards

PAL

PAL stands for Phase Alternation by Line, and was adopted in 1967. It has 625 horizontal lines making up the vertical resolution. 50 fields are displayed and interlaced per second, making for a 25 frame per second system. An advantage of this system is a more stable and consistent hue (tint). PAL-M is used only in Brazil. It has 525 lines, at 30 frames per second.

PAL countries include: Afghanistan, Algeria, Argentina (PAL-N), Australia, Austria, Bahrain, Bangladesh, Belgium, Brunei, Cameroon, Canary Islands, China, Cyprus, Denmark, Finland, Germany, Ghana, Gibralter, Greece (also SECAM), Hong Kong, Iceland, India, Indonesia, Ireland, Israel, Italy, Jordan, Kenya, North Korea, Kuwait, Liberia, Luxembourg (also SECAM), Madeira, New Zealand, Nigeria, Norway, Oman, Pakistan, Paraguay (PAL-N), Portugal, Qatar, Saudi Arabia (also SECAM), Siera Leone, Singapore, South Africa, Spain, Sri Lanka, Sudan, Swaziland, Tanzania, Thailand, Turkey, Uganda, United Arab Emirates, United Kingdom, Uruguay (PAL-N), Yeman (the former Yeman Arab Republic was PAL, and the former People's Democratic Republic of Yeman was NTSC), Yugoslavia, Zambia, Zimbabwe.

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